

SuperServer 5019S-MR-G1585L



Integrated Board



Super X11SSH-GF-1585L

**Views: | [Angled View](#) | [Top View](#) |
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[\(AOC\) Matrix](#)**

Key Features

**Support VHD & Quick Sync Video
Iris Pro Optimizations GT4e Build-in**

1. Single Socket FCBGA 1440 supports Intel® Xeon® processor E3-1585L v5, 4-Core, 8 Threads, 45W
2. Intel® C236 chipset
3. 4x 3.5" Hot-swap SATA3 bays w/ RAID
4. Up to 64GB Unbuffered ECC SO-DIMM DDR4-2133MHz; 4 DIMM slots
5. 1 PCI-E 3.0 x8 (in x16) AOC slot
6. 2x 1GbE ports with Intel® i350
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. I/O ports: 1 VGA, 2 COM, 4 USB 3.0 (front/rear), 2 USB 2.0
9. 400W Redundant Platinum Power Supplies w/ BBP® option

Note: Image above may show a varied configuration of optional parts. Please refer to parts list for standard parts included.

Specifications

Product SKUs - Discontinued SKU (EOL). Please contact sales-rep for alternative options.

SYS-5019S-MR-G1585L ■ SuperServer 5019S-MR-G1585L (Black)

Motherboard

Super X11SSH-GF-1585L

Processor

CPU ■ Single socket FCBGA1440
■ Intel® Xeon® processor E3-1585L v5
■ 4-Core, 8 Threads, CPU TDP support 45W

System Memory

Memory Capacity ■ 4x 288-pin DDR4 DIMM slots
■ Up to 64GB Unbuffered ECC SO-DIMM

Memory Type ■ 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs

DIMM Sizes ■ 16GB, 8GB, 4GB

Memory Voltage ■ 1.2 V

Error Detection ■ Corrects single-bit errors
■ Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset ■ Intel® C236 chipset

SATA ■ SATA3 (6Gbps) via C236 controller
■ RAID 0, 1, 5, 10 support

IPMI ■ Support for Intelligent Platform Management Interface v.2.0
■ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
■ ASPEED AST2400 BMC

Network Controllers ■ Dual Intel® i350 Gigabit Ethernet LAN ports
■ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output

Video ■ ASPEED AST2400 BMC

Input / Output

SATA ■ 6 SATA3 (6Gbps) ports

LAN ■ 2 RJ45 Gigabit Ethernet LAN ports
■ 1 RJ45 Dedicated IPMI LAN port

USB ■ 5 USB 3.0 ports (2 rear + 2 headers + 1 Type A)
■ 8 USB 2.0 ports (2 rear + 6 headers)

Video ■ 1 VGA port

Serial Port / Header ■ 2 COM ports (1 rear, 1 front)

SuperDOM ■ 2 SuperDOM (Disk on Module) ports with built-in power

PC Health Monitoring

Chassis

Form Factor ■ 1U Rackmount

Model ■ **CSE-813MFTQC-R407CB**

Dimensions and Weight

Height ■ 1.7" (43mm)

Width ■ 17.2" (437mm)

Depth ■ 19.85" (503mm)

Package ■ 8.5" (H) x 24" (W) x 29.5" (D)

Weight ■ Gross Weight: 33 lbs (15.0 kg)
■ Net Weight: 20 lbs (9.1 kg)

Available Colors ■ Black

Front Panel

Buttons ■ Power On/Off button
■ System Reset button

LEDs ■ Power LED
■ Hard drive activity LED
■ 2 Network activity LEDs
■ System Information LED

Expansion Slots

PCI-Express ■ 1 PCI-E 3.0 x8 (in x16) AOC slot

M.2 ■ 1x M.2 Interface: PCI-E 3.0 x4 and SATA
■ Form Factor: 2242, 2280, 22110
■ Key: M-Key
■ Double Height Connector

Drive Bays

Hot-swap ■ 4x 3.5" Hot-swap SATA3 drive bays

Peripheral Drives

Optional ■ Optional 2.5" drive adapter
■ Optional slim DVD drive

System Cooling

Fans ■ 4x 40x28mm 4-pin PWM Cooling Fans
■ Optional 1x 40x28mm PWM Fan

AC/DC240V Input Redundant Power Supplies

400W 1U Redundant Power Supplies with PMBus

Total Output Power ■ 400W

Dimension (W x H x L) ■ 54.5 x 40 x 220 mm

Input ■ 100 - 240Vac / 6.0 - 3.0A / 50-60Hz
■ 200 - 240Vdc / 3.4 - 3.2A (CCC Only)

+12V ■ Max: 33A / Min: 0.5A

+5V sb ■ Max: 3A / Min: 0A

Output Type ■ Gold Finger Connector Mating with Molex 45984-4343

Voltage	<ul style="list-style-type: none"> Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, HT, Memory, Chipset Voltages.
FAN	<ul style="list-style-type: none"> Total of 5 fan headers supporting up to 5 fans 4 fans with tachometer status monitoring Status monitor for speed control Status monitor for on/off control Low noise fan speed control Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> Monitoring for CPU and chassis environment CPU thermal trip support I²C temperature sensing logic Thermal Monitor 2 (TM2) support PECI
LED	<ul style="list-style-type: none"> System Information LED Suspend static indicator LED UID/Remote UID
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header RoHS, Halogen Free

Certification

Platinum Level Certified
[[Test Report](#)]

System BIOS

BIOS Type ■ 8MB SPI Flash EEPROM with AMI BIOS

Operating Environment / Compliance

RoHS ■ RoHS Compliant

Environmental Spec.

- Operating Temperature: 10°C to 35°C (50°F to 95°F)
- Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)
- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5% to 95% (non-condensing)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X11SSH-GF-1585L	1	Super X11SSH-GF-1585L Motherboard
	CSE-813MFTQC-R407CB	1	1U Chassis
Backplane	BPN-SAS3-815TQ	1	1U 4-Port 12Gbps Backplane Support 4x3.5
Cable 1	CBL-0186L	1	SATA,INT,ROUND,SET OF 4,ST-RA 56/45.5/35/23CM,26AWG
Cable 2	CBL-CDAT-0661	1	CBL,SGPIO,2X4F TO 2X4F,P2.54,ROUND CABLE,40CM,28AWG
Parts	MCP-120-00031-0N	1	Riser card bracket for SC812,813,813M,815,111,113,113M
Drive Tray(s)	MCP-220-00129-0B	1	Black 2x USB3.0/COM port tray in slim FDD bay
Air Shroud	MCP-310-00079-0B	1	Mylar Air Shroud for SYS-5019S-MR-G1585L
Manual	MNL-1919-QRG	1	5019S-M/MR-G1585L, QRG,HF,RoHS/REACH
Riser Card	RSC-RR1U-E16	1	RSC-RR1U-E16 with PIC-E x16 output
Power Supply	PWS-407P-1R	2	AC and DC 240V Input, 400W, Platinum Level, Redundancy power supply meet PMBus Revision 1.2 requirement,RoHS/REACH
FAN 1	FAN-0154L4	4	40x40x28 mm, 22.5K RPM, SC813MF Middle Cooling Fan,RoHS/REACH

Optional Parts List

	Part Number	Qty	Description
3.5" to 2.5" Converter Tray	MCP-220-00043-0N	-	Black Hot-swap Gen-4 2.5" to 3.5" HDD tray
DVD-ROM / DVD-RW	DVM-TEAC-DVD-SBT5	1	TEAC slim DVD-ROM SATA drive
	DVM-PLDS-DVDRW-SBT5	1	PHILIPS slim DVD-RW SATA drive
DVD-ROM Accessory	MCP-220-81502-0N	1	Slim SATA DVD mounting kit
Internal 2.5" HDD Tray (FDD slot)	MCP-220-83601-0B	1	Black FDD dummy tray support 1x 2.5" slim HDD
Internal 2.5" HDD Tray (DVD slot)	MCP-290-00036-0B	1	Black DVD dummy tray support 1x 2.5" slim HDD
Cable for internal HDD	CBL-0484L	2	55cm 30AWG SATA straight to straight cable
	CBI-0289L	1	Y split, big 4 pin to two RA SATA power extension 30cm
Hot-swap 2.5" kit (FDD slot)	MCP-220-81504-0N	1	Single slim 2.5" SAS3 (12Gb/s) hot swap in slim FDD form factor
Hot-swap 2.5" kit (DVD slot)	MCP-220-81506-0N	1	Single slim 2.5" SAS3 (12Gb/s) hot swap in slim DVD form factor
Cooling Fan	FAN-0154L4	-	40x40x28mm 22.5K RPM, SC813MF Middle Cooling Fan
Storage Controller card & cable	AOC-S3108L-H8iR & 1x CBL-SAST-0811	-	Standard LP, 8 Internal ports (12Gb/s) PCI-E 3.0 x8, RAID controller, RAID 0, 1, 5, 6, 10, 50, 60
	AOC-S3108L-H8iR-16DD & 1x CBL-SAST-0811	-	Standard LP, 8 Internal ports (12Gb/s) PCI-E 3.0 x8, 16HDD RAID controller, RAID 0, 1, 5, 6, 10, 50, 60
	AOC-S3008L-L8i & 1x CBL-SAST-0811	-	Standard LP, 8 internal ports (12Gb/s) PCI-E 3.0 x8, 63HDD, RAID 0, 1, 10
	AOC-S3008L-L8e & 1x CBL-SAST-0811	-	Standard LP, 8 internal ports (12Gb/s) PCI-E 3.0 x8, 122HDD HBA
	AOC-S3008L-L8e & 1x CBL-SAST-0811	-	Standard LP, 8 internal ports (12Gb/s) PCI-E 3.0 x8, 122HDD HBA
Network Card(s)	AOC-SGP-i2	-	Standard LP, 2x GbE RJ45, PCI-E x4, Intel i350-AM2
	AOC-SGP-i4	-	Standard LP, 4x GbE RJ45, PCI-E x4, Intel i350
	AOC-STGN-i2S	-	Standard LP, 2x 10GbE SFP+, PCI-E x8, Intel 82599ES
	AOC-STGF-i2S	-	Standard LP, 2x 10GbE SFP+, PCI-E x8, Intel X710-BM2
	AOC-STG-B4S	-	Standard LP, 4x 10GbE SFP+, PCI-E x8, Broadcom BCM57840S
	AOC-STGS-i2T	-	Standard LP, 2x 10GbE RJ45, PCI-E x8, Intel X550-AT2
	AOC-S25G-b2S	-	Standard LP, 2x 25GbE SFP28, PCI-E x8, Broadcom BCM57414
	AOC-S25G-m2S	-	Standard LP, 2x 25GbE SFP28, PCI-E x8, Mellanox CX-4 LX
Front Bezels	CSE-PTFB-813LB	-	Black front bezels
	CSE-PTFB-813-02B	-	Black Front Bezel w/ Round Venting Holes
TPM security module	AOM-TPM-9665V	1	TPM 2.0, vertical form factor
	AOM-TPM-9655V	1	TPM 1.2, vertical form factor

Global Services & Support	OS4HR3/2/1	-	3/2/1-year onsite 24x7x4 service
	OSNBD3/2/1	-	3/2/1-year onsite NBD service
Software	SFT-OOB-LIC • <i>eStore</i>	1	OOB Management Package (per node license)
Software	SFT-DCMS-Single	1	DataCenter Management Package (per node license)